

TAC Subcommittee Meeting
Part XIII: Fees
August 29, 2006

Time Estimates for General Permit and Stormwater Management Programs

General Permit for Construction Activities

1. DCR General Permit Inspections for FY06: 1,054
2. Inspection/SWPPP time estimates per DCR staff survey

Project Size by Acres Land Disturbance	Number of Inspections	Inspection/SWPPP Time Estimate	Hours
Less than 1 acre	158	1.6	253
= 1 acre, < 5 acres	422	3.0	1266
= 5 acres, < 10 acres	179	4.2	752
= 10 acres, < 50 acres	242	5.5	1331
= 50 acres, < 100 acres	32	7.4	237
= 100 acres, < 500 acres	21	7.4	155
Greater than 500 acres	3	7.4	22
Total	1057	-	4016

Weighted Inspection/SWPPP Time – all inspections: $4016/1057 = 3.8$ hrs

Weighted Inspection/SWPPP Time – inspections < 50 acres: $3602/1001 = 3.6$ hrs

Weighted Inspection/SWPPP Time – inspections ≥ 1 acre < 50 acres: $3349/843 = 4$ hrs

Weighted Inspection/SWPPP Time – inspections ≥ 50 acres: $414/56 = 7.4$ hrs

3. Travel time per inspection = 1 hr
4. Compliance/enforcement per inspection = 1 hr
5. Technical assistance per inspection = 1 hr
6. Administrative/Permit Issuance = 1 hr

Initial Inspection Time (T) per General Permit

$$T = (\#2 + \#3 + \#4 + \#5 + \#6) = (3.8 + 1 + 1 + 1 + 1) = 7.8 \text{ hrs}$$

Re-Inspection Time (RT) for General Permit

$$RT = (\#2 + \#3 + \#5) = (3.8 + 1 + 1) = 5.8 \text{ hrs}$$

Stormwater Management Program Activities

1. Administrative time associated with plan submission = 1 hr
2. Time to determine if a plan is Administratively Complete = 1 hr
3. Time for Stormwater Management Plan Review

Project Size by acres of land disturbance	Number of Permits	Hours	Hours
Less than 1 acre	510	10	5100
Equal to 1 acre and < 5 acres	1337	10	13370
Equal to 5 acres and < 10 acres	580	15	8700
Equal to 10 acres and < 50 acres	782	25	19550
Equal to 50 acres and < 100 acres	111	40	4440
Equal to 100 acres and < 500 acres	49	40	1960
Equal to or greater than 500 acres	10	40	400
Total	3379	-	53,520

Weighted Review Time – all plans: $53,520/3379 = 15.8$ hrs

Weighted Review Time – plans < 50 acres: $46,720/3209 = 14.6$ hrs

Weighted Review Time – plans ≥ 1 acre < 50 acres: $41,620/2699 = 15.4$ hrs

Weighted Review Time – plans ≥ 50 acres: $6800/170 = 40$ hrs

4. Technical Assistance for plan review = 1 hr

Plan Review Time (PRT)

$$\text{PRT} = (\#1 + \#2 + \#3 + \#4) = (1 + 1 + 15.8 + 1) = 18.8 \text{ hrs}$$

Re-Submittal Plan Review Time (RPRT)

$$\text{RPRT} = (\#1 + \frac{1}{2} \#3 + \#4) = (1 + \frac{1}{2} (15.8) + 1) = (1 + 7.9 + 1) = 9.9 \text{ hrs}$$

5. BMP inspections during construction = 5 inspections at 3 hrs/inspection = 15 hrs
6. BMP inspections post-construction = 1/yr for 25 yrs at 3 hrs/inspection = 75 hrs